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NEWS 6 AUG 30 CA/CAplus -Increased access to 19th century research documents

NEWS 7 AUG 30 CASREACT - Enhanced with displayable reaction conditions NEWS 8 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 06:49:25 ON 20 SEP 2005

=> fil reg

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
0.21
0.21

FILE 'REGISTRY' ENTERED AT 06:49:33 ON 20 SEP 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 SEP 2005 HIGHEST RN 863382-78-9 DICTIONARY FILE UPDATES: 18 SEP 2005 HIGHEST RN 863382-78-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*************** * The CA roles and document type information have been removed from * * the IDE default display format and the ED field has been added, * effective March 20, 2005. A new display format, IDERL, is now * available and contains the CA role and document type information. * Structure search iteration limits have been increased. See HELP SLIMITS for details. Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html Uploading structure screen 1996 SCREEN CREATED => L2STRUCTURE UPLOADED QUE L2 AND L1 L3 => s sam 13 SAMPLE SEARCH INITIATED 06:50:19 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED -850 TO ITERATE 0 ANSWERS 100.0% PROCESSED 850 ITERATIONS SEARCH TIME: 00.00.01 FULL FILE PROJECTIONS: ONLINE **COMPLETE** BATCH **COMPLETE** PROJECTED ITERATIONS: 15251 TO 18749 PROJECTED ANSWERS: 0 TO ^ L4 0 SEA SSS SAM L2 AND L1 => log h COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION ENTRY FULL ESTIMATED COST 0.86 1.07 SESSION WILL BE HELD FOR 60 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 06:50:28 ON 20 SEP 2005 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * SESSION RESUMED IN FILE 'REGISTRY' AT 06:54:03 ON 20 SEP 2005 FILE 'REGISTRY' ENTERED AT 06:54:03 ON 20 SEP 2005 COPYRIGHT (C) 2005 American Chemical Society (ACS) COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 0.86 1.07

Uploading structure

2

screen 1996

L5 SCREEN CREATED

=> L6

STRUCTURE UPLOADED

L7 QUE L6 AND L5

=> s 17 sam

SAMPLE SEARCH INITIATED 06:54:47 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 11363 TO ITERATE

17.6% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

37 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

220873 TO 233647

PROJECTED ANSWERS:

3335 TO 5073

37 SEA SSS SAM L6 AND L5

=> d scan

37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN L8

Benzaldehyde, 4-[bis(4-methylphenyl)amino]-, 1,3,4-thiadiazole-2,5-

diylbis[thio(2-hydroxy-3,1-propanediyl)]bis(phenylhydrazone) (9CI)

C62 H60 N8 O2 S3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

- L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
- MF C47 H73 N31 O3
- CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1,4-Benzenedicarboxylic acid, bis[[(6-nitro-1,3-benzodioxol-5yl)methylene]hydrazide] (9CI)

MF C24 H16 N6 O10

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Nonanedioic acid, bis[[[4-(diethylamino)phenyl]methylene]hydrazide] (9CI)

MF C31 H46 N6 O2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Octanedioic acid, bis[[(5-nitro-2-thienyl)methylene]hydrazide] (9CI)

MF C18 H20 N6 O6 S2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

MF C34 H28 C14 N6 O4

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Cadmium(2+), bis[(4-pyridinecarboxylic acid-KN1)

[[4-[bis(2-chloroethyl)amino]phenyl]methylene]hydrazide]- (9CI)
MF C34 H36 Cd Cl4 N8 O2
CI CCS, COM

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Naphthalenecarboxylic acid, 4,4'-[2,3-quinoxalinediylbis(2,4 pyridinediylazo)]bis[3-hydroxy-, bis[[(4-methoxyphenyl)methylene]hydrazide
] (9CI)

MF C56 H40 N12 O6

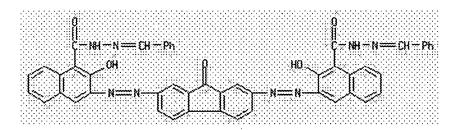
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1-Naphthalenecarboxylic acid, 3,3'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[2-hydroxy-, bis[(phenylmethylene)hydrazide] (9CI)

MF C49 H32 N8 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

- L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

MF C69 H50 N10 O4

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Naphthalenecarboxylic acid, 4,4'-[[2-[4-[2-[4-[2-hydroxy-3[[(phenylmethylene)hydrazino]carbonyl]-1-naphthalenyl]azo]phenyl]ethenyl]p
henyl]-2H-1,2,3-triazole-4,5-diyl]bis(4,1-phenyleneazo)]bis[3-hydroxy-,
bis[(phenylmethylene)hydrazide] (9CI)

MF C82 H57 N15 O6

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Naphthalenecarboxylic acid, 4,4',4'',4'''-[(5,5'-dibromo[1,1'-binaphthalene]-4,4'-diyl)bis[nitrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-, tetrakis(2,2-diphenylhydrazide) (9CI)

MF C136 H94 Br2 N18 O8

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 4,4'-[1,4-butanediylbis(butylimino)]bis-,
bis(diphenylhydrazone) (9CI)

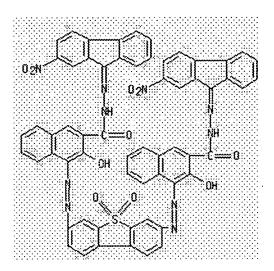
- SES WES WE

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

MF C60 H34 N10 O10 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

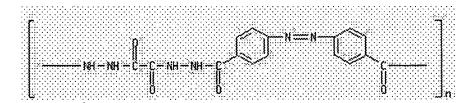
L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Poly[hydrazo(1,2-dioxo-1,2-ethanediyl)hydrazocarbonyl-1,4-phenyleneazo-1,4phenylenecarbonyl] (9CI)

MF (C16 H12 N6 O4)n

CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Hydrazinium, 2,2'-[azobis(3,1-phenylenecarbonyl)]bis[1-(2-hydroxypropyl)1,1-dimethyl-, bis(inner salt) (9CI)

MF C24 H34 N6 O4

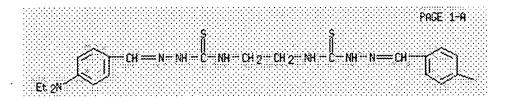
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Hydrazinecarbothioamide, N, N'-1, 2-ethanediylbis[2-[[4-

(diethylamino)phenyl]methylene]- (9CI)

MF C26 H38 N8 S2



PROE : 1-8

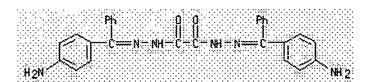
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Oxalic acid, bis[(p-amino- α -phenylbenzylidene)hydrazide] (8CI)

MF C28 H24 N6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN INDEX NAME NOT YET ASSIGNED

MF C23 H18 N6 O6

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Lanthanum, tris[4-[[4-[1-[(aminothioxomethyl)hydrazono]ethyl]phenyl]amino]-

4-oxobutanoato-01,01']diaqua- (9CI)

MF · C39 H49 La N12 O11 S3

CI CCS, COM

$$\begin{array}{c} \text{PAGE 2-A} \\ \text{H}_{20} \\ \text{H}_{2} \\ \text{H}_{3} \\ \text{H}_{4} \\ \text{H}_{3} \\ \text{H}_{4} \\ \text{H}_{4} \\ \text{H}_{4} \\ \text{H}_{5} \\$$

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Heptanedioic acid, bis[[1-(4-nitrophenyl)ethylidene]hydrazide] (9CI)

MF C23 H26 N6 O6

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) end

=> log h

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 4.30 4.51

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:58:44 ON 20 SEP 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * * * SESSION RESUMED IN FILE 'REGISTRY' AT 07:03:03 ON 20 SEP 2005 FILE 'REGISTRY' ENTERED AT 07:03:03 ON 20 SEP 2005 COPYRIGHT (C) 2005 American Chemical Society (ACS)

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 4.30 4.51

=> Uploading structure screen 1996

L9 SCREEN CREATED

=>

L10 STRUCTURE UPLOADED

=>

L11 QUE L10 AND L9

=> s sam 111

SAMPLE SEARCH INITIATED 07:03:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 11363 TO ITERATE

17.6% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

220873 TO 233647 1 TO 256 1 ANSWERS

PROJECTED ANSWERS:

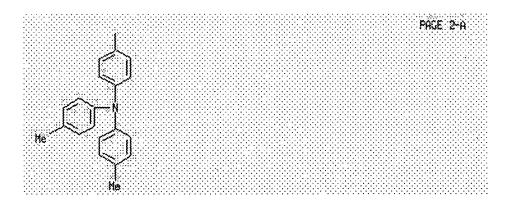
L12 1 SEA SSS SAM L10 AND L9

=> d scan

L12 1 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 4-[bis(4-methylphenyl)amino]-, 1,3,4-thiadiazole-2,5-diylbis[thio(2-hydroxy-3,1-propanediyl)]bis(phenylhydrazone) (9CI)

MF C62 H60 N8 O2 S3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s l12 sss full FULL SEARCH INITIATED 07:04:46 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 228755 TO ITERATE

100.0% PROCESSED 228755 ITERATIONS SEARCH TIME: 00.00.05

201 ANSWERS

L13 201 SEA SSS FUL L10 AND L9

=> d scan

L13 201 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 4,4'-[1,4,7-octatriene-1,8-diylbis[4,1-phenylene(phenylimino)]]bis-, bis(diphenylhydrazone) (9CI)

MF C70 H58 N6

, FHGE 1-A
$$\begin{array}{c} \text{Ph} \\ \text{Ph} \\ \text{Ph} \\ \text{2N-N} = \text{CH} \end{array}$$

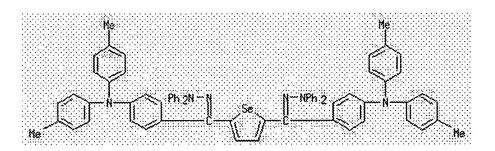
$$\begin{array}{c} \text{CH} = \text{CH} - \text{CH} \\ \text{CH} = \text{CH} - \text{CH} \\ \text{2}^{-} \text{CH}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L13 201 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Methanone, 2,5-selenophenediylbis[[4-[bis(4-methylphenyl)amino]phenyl]-,
bis(diphenylhydrazone) (9CI)

MF C70 H58 N6 Se



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L13 201 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Benzaldehyde, 4-(diphenylamino)-, [thiobis[4,1-phenylenethio(2-hydroxy-3,1-

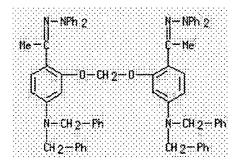
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L13 201 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Ethanone, 1,1'-[methylenebis[oxy[4-[bis(phenylmethyl)amino]-2,1-phenylene]]]bis-, bis(diphenylhydrazone) (9CI)

MF C69 H62 N6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) fil stnguide 'FIL STNGUIDE' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END". HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> fil stnguide
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 169.93 170.14

FULL ESTIMATED COST

FILE 'STNGUIDE' ENTERED AT 07:09:25 ON 20 SEP 2005
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 16, 2005 (20050916/UP).

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE TOTAL

FULL ESTIMATED COST

ENTRY SESSION 0.06 170.20

FILE 'REGISTRY' ENTERED AT 07:09:52 ON 20 SEP 2005
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STRUCTURE FILE UPDATES: 19 SEP 2005 HIGHEST RN 863478-08-4 DICTIONARY FILE UPDATES: 19 SEP 2005 HIGHEST RN 863478-08-4

New CAS Information Use Policies, enter HELP USAGETERMS for details. .

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> save 113 a749171/a ANSWER SET L13 HAS BEEN SAVED AS 'A749171/A'

=> log h COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.43 170.63

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:10:11 ON 20 SEP 2005

* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * * SESSION RESUMED IN FILE 'REGISTRY' AT 07:25:07 ON 20 SEP 2005 FILE 'REGISTRY' ENTERED AT 07:25:07 ON 20 SEP 2005

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COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
0.43
170.63

=> Uploading structure screen 1996

L14 SCREEN CREATED

=>

L15 STRUCTURE UPLOADED

=>

L16 QUE L15 AND L14

=> s sub=113 sss ful 116
FULL SUBSET SEARCH INITIATED 07:26:16 F

FULL SUBSET SEARCH INITIATED 07:26:16 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 201 TO ITERATE

100.0% PROCESSED 201 ITERATIONS 21 ANSWERS

SEARCH TIME: 00.00.01

L17 21 SEA SUB=L13 SSS FUL L15 AND L14

=> d cost

SINCE FILE COST IN U.S. DOLLARS TOTAL SESSION ENTRY CONNECT CHARGES 1.11 9.03 NETWORK CHARGES 0.18 1.56 SEARCH CHARGES 38.05 198.95 FULL ESTIMATED COST 39.34 209.54

IN FILE 'REGISTRY' AT 07:26:24 ON 20 SEP 2005

=> d scan

L17 21 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 2,2'-[methylenebis(oxy)]bis[4-(diethylamino)-6-methyl-,
bis(1-naphthalenylphenylhydrazone) (9CI)

MF C57 H58 N6 O2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L17 21 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(ethylimino)]]bis[3-methyl-,
bis(methylphenylhydrazone) (9CI)

MF C42 H48 N6

$$\begin{array}{c} P_{N-N-N-He} \\ Ne-N-N=CH \\ \downarrow \\ Ne-CH_2 \end{array} \longrightarrow \begin{array}{c} E_{N-N-He} \\ \downarrow \\ Ne \end{array}$$

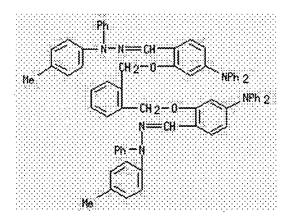
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L17 21 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzaldehyde, 2,2'-[1,2-phenylenebis(methyleneoxy)]bis[4-(diphenylamino)-,
bis[(4-methylphenyl)phenylhydrazone] (9CI)

MF C72 H60 N6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) end

=> fil ca; s l17 COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 40.20 210.40

FILE 'CA' ENTERED AT 07:27:22 ON 20 SEP 2005
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FILE COVERS 1907 - 15 Sep 2005 VOL 143 ISS 13 FILE LAST UPDATED: 15 Sep 2005 (20050915/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L18 10 L17

=> d fbib hitstr 1-10; fil stnguide

L18 ANSWER 1 OF 10 CA COPYRIGHT 2005 ACS on STN Full Text

AN 141:233149 CA

- TI Organophotoreceptor with charge transport material having two hydrazone groups
- IN Tokarski, Zbigniew; Montrimas, Edmundas; Paulauskaite, Ingrida; Jubran, Nusrallab; Gaidelis, Valentas; Getautis, Vytautas
- PA Samsung Electronics Co., Ltd., S. Korea
- SO Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN. CNT 1

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		PA'	rent :	NO.			KIN	KIND DATE			APPLICATION NO.					DATE ·			
				-				-									-		
	PI	EP	1452	924			A1		2004	0901]	EΡ	2004-	2511	32		2	0040	227
	•		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT,	LI,	LU,	NL,	SE,	MC,	PT,
•	,			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑL	, TR,	BG,	CZ,	EE,	HU,	SK,	HR
											1	US	2003-	4513	08P		P 2	0030	228
		•									1	US	2003-	7491	71		A 2	0031	230
		US	2004	1709	10		A1		2004	0902	1	US	2003-	7491	71		2	0031	230
											1	US	2003-	4513	08P		P 2	0030	228
		CN	1540	764			Α		2004	1027	(CN	2004-	1003	875 7		2	0040	228
											7	US	2003-	4513	08P		P 2	0030	228
											1	US	2003-	7491	71		A 2	0031	230
		JP	2004	2648	55		A2		2004	0924	,	JP	2004-	5669	2		2	0040	301
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											1	US	2003-	7491	71		A 2	0031	230

OS MARPAT 141:233149

IT 748789-21-1P 748789-22-2P 748789-23-3P 748789-24-4P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (organo photoreceptor with charge transport material having two hydrazone groups)

RN 748789-21-1 CA

CN Benzaldehyde, 2,2'-[thiobis[4,1-phenylenethio(2-hydroxy-3,1 propanediyl)oxy]]bis[4-(diethylamino)-, bis(diphenylhydrazone) (9CI) (CA
 INDEX NAME)

RN 748789-22-2 CA

RN 748789-23-3 CA

CN Benzaldehyde, 3,3'-[(2,2-dimethyl-1,3-propanediyl)bis[oxy(2-hydroxy-3,1propanediyl)oxy]]bis[4-(diethylamino)-, bis(diphenylhydrazone) (9CI) (CA
INDEX NAME)

RN 748789-24-4 CA

CN Benzaldehyde, 3,3'-[1,4-butanediylbis[oxy(2-hydroxy-3,1-propanediyl)oxy]]bis[4-(diethylamino)-, bis(diphenylhydrazone) (9CI) (CA

INDEX NAME)

L18 ANSWER 2 OF 10 CA COPYRIGHT 2005 ACS on STN Full Text

AN 141:173964 CA

TI Preparation of organophotoreceptors with charge transport materials having two linked hydrazone groups

IN Tokarski, Zbigniew; Jubran, Nusrallah; Getautis, Vytautas; Daskeviciene, Maryte; Gaidelis, Valentas; Jankauskas, Vygintas

PA Samsung Electronics Co., Ltd., S. Korea

SO Eur. Pat. Appl., 25 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

LAIA.	Τ.																	
	PAT	CENT	NO.			KIND DATE			APPLICATION NO.						Γ	PATE		
							-									-		
PI	ΕP	1443	039			A1		2004	0804	EF	2 (004-	2502	89		2	20040	121
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB, G	R,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙĒ,	SI,	LT,	LV,	FI,	RO,	MK,	CY, A	L,	TR,	ВG,	CZ,	EE,	HU,	SK	
										US	2 (003-	4439	19P		P 2	20030	131
										บร	20	003-	7491	74		A 2	20031	230
	US	2004	1520	02		A1		2004	0805	US	2 (003-	7491	74		2	20031	230
										US	20	003-	4439	19P		P 2	20030	131
	JP	2004	2340	05		A2		2004	0819	JE	2 (004-	2089	9		2	20040	129
										บร	2 (003-	4439	19P		P 2	20030	131
										US	20	003-	7491	74		A 2	20031	230
	CN	1538	246			Α		2004	1020	CN	1 20	004-	1002	8207		2	20040	130
										US	20	003-	4439	19P	•	P 2	20030	131
										US	2 (003-	7491	74		A 2	20031	230

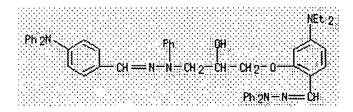
OS MARPAT 141:173964

IT 688008-07-3P 688008-09-5P 688008-10-8P 688008-11-9P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. of organophotoreceptors with charge transport materials having two linked hydrazone groups)

RN 688008-07-3 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diphenylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)



RN 688008-09-5 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(dimethylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

RN 688008-10-8 CA

CN Benzaldehyde, 2-[3-[[[4-[bis(4-methylphenyl)amino]phenyl]methylene]phenylh
ydrazino]-2-hydroxypropoxy]-4-(diethylamino)-, diphenylhydrazone (9CI)
(CA INDEX NAME)

RN 688008-11-9 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diethylamino)phenyl]methylene]ph enylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 140:397343 CA

TI Organophotoreceptor with charge transport compound with hydrazone groups

IN Tokarski, Zbigniew; Montrimas, Edmundas; Paulauskaite, Ingrida; Law, Kam W.; Jubran, Nusrallah; Gaidelis, Valentas; Jankauskas, Vygintas; Getautis, Vytautas

PA Samsung Electronics Co., Ltd., S. Korea

SO Eur. Pat. Appl., 32 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

		_																	
	PA'	TENT	NO.			KIN	D	DATE			API	PLI	CAT	ION I	NO.		D	ATE	•
							-										-		
ΡI	ΕP	1418	469			A2		2004	0512		ΕP	20	03-	2566	99		2	0031	023
	EP	1418	469			A3		2005	0601										
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GΒ,	GF	₹,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑI	٠, د	TR,	BG,	CZ,	EE,	HU,	SK	
										•	US	20	02-	4211	82P		P 2	0021	028
	US	2004	1060	54		A1		2004	0603		US	20	03-	6445	47		2	0030	820
											US	20	02-	4211	82P		P 2	0021	028
	JP	2004	1517	25		A2		2004	0527		JP	20	03-	3676	65		2	0031	028
											US	20	02-	4211	82P		P 2	0021	028

OS MARPAT 140:397343

IT 688008-07-3P 688008-09-5P 688008-10-8P 688008-11-9P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(electrophotog. organo-photoreceptor with charge transport compd. with hydrazone groups)

RN 688008-07-3 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diphenylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

RN 688008-09-5 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(dimethylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

RN 688008-10-8 CA

CN Benzaldehyde, 2-[3-[[[4-[bis(4-methylphenyl)amino]phenyl]methylene]phenylh ydrazino]-2-hydroxypropoxy]-4-(diethylamino)-, diphenylhydrazone (9CI) (CA INDEX NAME)

RN 688008-11-9 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diethylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

L18 ANSWER 4 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 129:195773 CA

TI Electrophotographic photoreceptor using novel hydrazone-type charge-transporting agent

IN Kurota, Masami

PA Fuji Electric Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 10207094	A2	19980807	JP 1997-6160	19970117
				JP 1997-6160	19970117

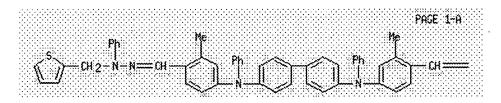
OS MARPAT 129:195773

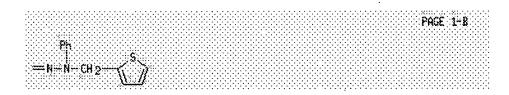
IT 211635-06-2

RL: TEM (Technical or engineered material use); USES (Uses)
 (electrophotog. photoconductor using hydrazone charge-transporting
 agent)

RN 211635-06-2 CA

CN Benzaldehyde, 4,4'-[[1,1'-biphenyl]-4,4'-diylbis(phenylimino)]bis[2-methyl-, bis[phenyl(2-thienylmethyl)hydrazone] (9CI) (CA INDEX NAME)





L18 ANSWER 5 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 118:136179 CA

TI Electrophotographic photoreceptor

IN Murayama, Tetsuo; Ono, Hitoshi; Saita, Atsuo; Watabe, Sumiko

PA Mitsubishi Kasei Corp., Japan

SO Eur. Pat. Appl., 58 pp.

CODEN: EPXXDW

DT	Patent					
LA	English					
FAN.	CNT 1					
	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
ΡI	EP 511664	A1	19921104	EP 1992-107347		19920429
	EP 511664	B1	19961106			
	R: DE, FR, G	B, IT				
				JP 1991-99112	A	19910430
				JP 1991-111943	A	19910516
				JP 1991-172791	Α	19910712
	JP 04328753	A2	19921117	JP 1991-99112		19910430
	JP 04340556	A2	19921126	JP 1991-111943		19910516
	JP 2998280	B2	20000111			
	JP 05019512	A2	19930129	JP 1991-172791		19910712
	JP 2956288	B2	19991004			
	CA 2067524	AA	19921031	CA 1992-2067524		19920429
•				JP 1991-99112	Α	19910430
				JP 1991-111943	Α	19910516
				JP 1991-172791	Α	19910712
	US 5284728	A	19940208	US 1992-876085		19920430
				JP 1991-99112	Α	19910430
				JP 1991-111943	Α	19910516

IT 146351-24-8 146351-25-9 146351-26-0 146351-27-1 146351-28-2 146351-30-6

RL: USES (Uses)

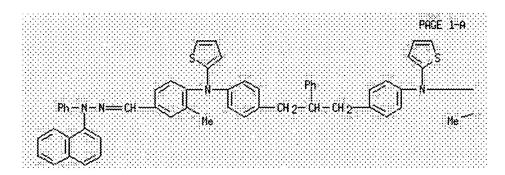
(electrophotog. photoreceptor with photosensitive layer contg., for high-sensitivity and small residual potential)

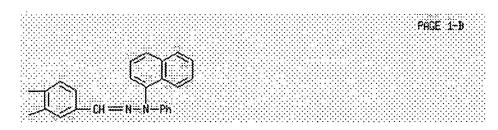
JP 1991-172791

19910712

RN 146351-24-8 CA

CN Benzaldehyde, 4,4'-[(2-phenyl-1,3-propanediyl)bis[4,1-phenylene(2-thienylimino)]]bis[3-methyl-, bis(1-naphthalenylphenylhydrazone) (9CI) (CA INDEX NAME)





RN 146351-25-9 CA

CN Benzaldehyde, 2,2'-[methylenebis(oxy)]bis[4-(dipentylamino)-,
bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

RN 146351-26-0 CA

CN Benzaldehyde, 2,2'-[1,4-phenylenebis(methyleneoxy)]bis[4-(diethylamino)-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

RN 146351-27-1 CA

CN Benzaldehyde, 2,2'-[methylenebis(oxy)]bis[4-[(4-methylphenyl)phenylamino]-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

RN 146351-28-2 CA

CN Benzaldehyde, 2,2'-[1,2-phenylenebis(methyleneoxy)]bis[4-(diphenylamino)-, bis[(4-methylphenyl)phenylhydrazone] (9CI) (CA INDEX NAME)

RN 146351-30-6 CA

CN Benzaldehyde, 2,2'-[methylenebis(oxy)]bis[4-(diethylamino)-6-methyl-,

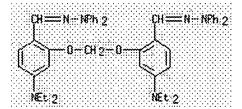
bis(1-naphthalenylphenylhydrazone) (9CI) (CA INDEX NAME)

IT 146351-06-6P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and application of, in electrophotog. photoreceptor photosensitive layer)

RN 146351-06-6 CA

CN Benzaldehyde, 2,2'-[methylenebis(oxy)]bis[4-(diethylamino)-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)



L18 ANSWER 6 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 109:160521 CA

TI Electrophotographic photoreceptor using phthalocyanine dye and bishydrazone compound in the photoconductor layer

IN Horie, Seiji; Makino, Naonori; Sato, Hideo

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
		-				
ΡI	JP 63048552	A2	19880301	JP 1986-191774	19860818	
	US 4814245	A	19890321	US 1987-86449	19870818	
				JP 1986-191774 A	19860818	

IT 101158-43-4

RL: USES (Uses)

(charge-transporting layer contg., for electrophotog. photoreceptor)

RN 101158-43-4 CA

CN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(ethylimino)]]bis[2-methyl-,
bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

L18 ANSWER 7 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 104:196950 CA

TI Electrophotographic materials

IN Ehashi, Shigeyuki; Tamura, Shinichi; Suda, Yasumasa; Hikosaka, Michiya

PA Toyo Ink Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 60237453	A2	19851126	JP 1984-91844	19840510
	JP 04024698	B4	19920427		
				TP 1984-91844	19840510

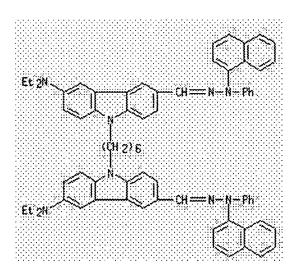
IT 101841-37-6

RL: USES (Uses)

(electrophotog. photosensitive layer contg., for improved clarity and sensitivity)

RN 101841-37-6 CA

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,6-hexanediyl)bis[6-(diethylamino)-, bis(1-naphthalenylphenylhydrazone) (9CI) (CA INDEX NAME)



L18 ANSWER 8 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 104:177654 CA

TI Electrophotographic photoreceptors

IN Horie, Seiji; Watarai, Osamu; Makino, Naonori; Sato, Hideo

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60196767	. A2	19851005	JP 1984-53183	19840319
				JP 1984-53183	19840319

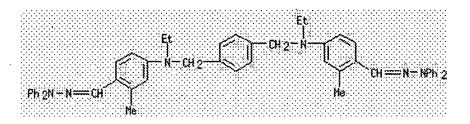
IT 101158-43-4

RL: USES (Uses)

(electrophotog. photoconductor with charge-generating layer contg., for highly charged potential and low residual charge)

RN 101158-43-4 CA

CN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(ethylimino)]]bis[2-methyl-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)



L18 ANSWER 9 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 104:139257 CA

TI Electrophotographic photoreceptors

IN Watarai, Osamu; Horie, Seiji

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60186847	A2	19850924	JP 1984-42370	19840306
	JP 04005382	B 4	19920131		
	US 4594304	A	19860610	US 1985-708461	19850305
				JP 1984-42370 F	19840306

IT 101183-43-1

RL: USES (Uses)

(electrophotog. charge carrier-transporting agent)

RN 101183-43-1 CA

CN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(hexylimino)]]bis[2-methyl-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{Me} = \langle \text{CH 2} \rangle 5 \\ \text{NH} = \text{CH 2} \\ \text{NH} = \text{CH 2} \\ \text{NH} = \text{CH 2} \\ \text{NH} = \text{NH} = \text{NH} \\ \text{Me} \end{array}$$

$$\text{CH 2} \Rightarrow 5 \\ \text{CH 2} \Rightarrow 5 \\ \text{CH 2} \Rightarrow 6 \\ \text{CH 2} \Rightarrow 6 \\ \text{CH 3} \Rightarrow 6 \\ \text{CH 3} \Rightarrow 6 \\ \text{CH 3} \Rightarrow 6 \\ \text{CH 4} \Rightarrow 6 \\ \text{CH 5} \Rightarrow$$

IT 101158-43-4P

RL: PREP (Preparation)

(prepn. of, as electrophotog. charge carrier-transporting agent) RN $\,$ 101158-43-4 CA

RN 101158-43-4 CA CN Benzaldehyde, 4,4'-[1,4-phenyle

Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(ethylimino)]]bis[2-methyl-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

L18 ANSWER 10 OF 10 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 102:195119 CA

TI Electrophotographic photoreceptor

PA Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 59223434	A2	19841215	JP 1983-98888	19830602
	JP 03009461	B4	19910208		
				JP 1983-98888	19830602

IT 96222-71-8P 96222-72-9P

RL: PREP (Preparation)

(prepn. of, as electrophotog. charge transport agent)

RN 96222-71-8 CA

EN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(ethylimino)]]bis[3-methyl-,
bis(methylphenylhydrazone) (9CI) (CA INDEX NAME)

$$\begin{array}{c} P_1 \\ Ne-N-N=CH \\ \hline \\ N-CH \\ 2 \end{array} \begin{array}{c} Et \\ CH=N-N-Me \\ \hline \\ Ne \end{array}$$

RN 96222-72-9 CA

CN Benzaldehyde, 4,4'-[1,4-phenylenebis[methylene(methylimino)]]bis[2-methyl-, bis(diphenylhydrazone) (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{Ne} \\ \text{CH}_2 - \text{CH}_2 - \text{N}_2 \\ \text{Ph}_2 \text{N-N} = \text{CH} \end{array}$$

$$\text{CH} = \text{N-NPh}_2$$

COST IN U.S. DOLLARS

SINCE FILE

ENTRY SESSION

TOTAL

FULL ESTIMATED COST

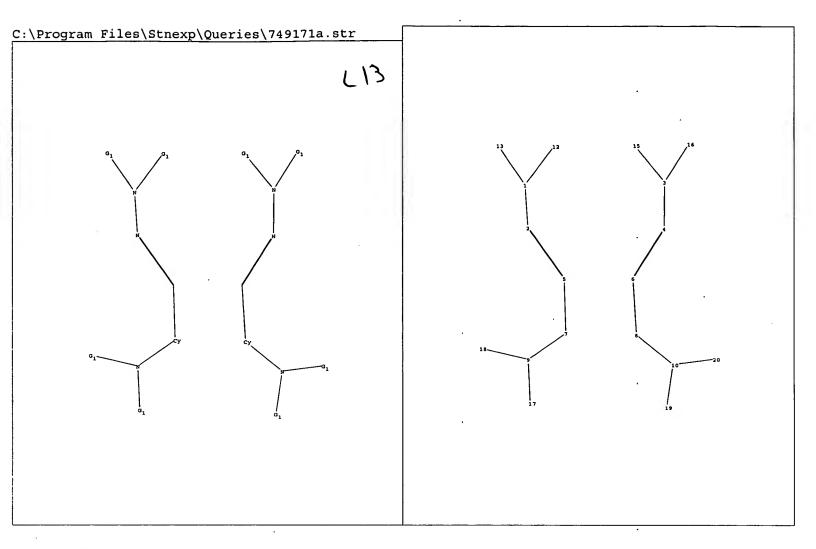
32.83 243.23

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 16, 2005 (20050916/UP).

=>



chain nodes :

1 2 3 4 5 6 7 8 9 10 12 13 15 16 17 18 19 20

chain bonds :

1-2 1-12 1-13 2-5 3-4 3-16 3-15 4-6 5-7 6-8 7-9 8-10 9-17 9-18 10-19 10-20 exact/norm bonds :

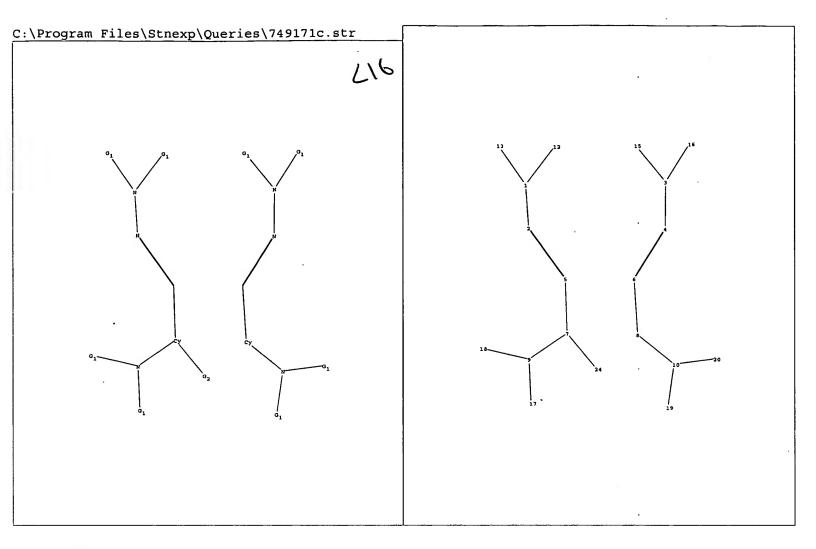
1-2 1-12 1-13 2-5 3-4 3-16 3-15 4-6 5-7 6-8 7-9 8-10 9-17 9-18 10-19 10-20

G1:Cb, Hy, Ak

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:CLASS 10:CLASS

12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 12 13 15 16 17 18 19 20 24

chain bonds :

1-2 1-12 1-13 2-5 3-4 3-16 3-15 4-6 5-7 6-8 7-9 7-24 8-10 9-17 9-18 10-19 10-20

exact/norm bonds :

1-2 1-12 1-13 2-5 3-4 3-16 3-15 4-6 5-7 6-8 7-9 7-24 8-10 9-17 9-18 10-19 10-20

G1:Cb, Hy, Ak

G2:C,O,S,N,Cy

Hydrogen count :

5:>= minimum 1 6:>= minimum 1

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:CLASS 10:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 24:CLASS